BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Improvements Roads, Drains and Providing Covering Slabs at Hosabalunagar, Kuvempunagara 1st & 2nd Stage in Ward No.11 (Kuvempunagara) in Vidyaranyapura Sub Division.*

Job Code: 011-20-000128

P Code: P-1771 POW Works

Estimated Cost: Rs. 20.00 Lakh(s)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements Roads, Drains and Providing Covering Slabs at Hos[redacted]alunagar, Kuvempunagara 1st & 2nd Stage in Ward No.11 (Kuvempunagara) in Vidyaranyapura Sub Division.**

	011-20-000128	P-1771		Estimate Cost:					2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2018-19**	Cum							
	Culvert		1	5.00	2.00	1.20	12.00		
	Kuvempunagara Gutte Ganapathi		2	50.00	0.45	0.45	20.25		
	Mariyamma Temple Backside		2	60.00	0.45	0.45	24.30		
	Valmikinagara 1st Cross		2	65.00	0.45	0.45	26.33		
	Valmikinagara 2nd Cross		2	40.00	0.45	0.45	16.20		
	Berm Cutting								
	Kuvempunagara Gutte Ganapathi		2	50.00	0.90	0.25	22.50		
	Mariyamma Temple Backside		2	60.00	0.90	0.20	21.60		
	Valmikinagara 1st Cross		2	65.00	0.90	0.20	23.40		
	Valmikinagara 2nd Cross		2	40.00	0.90	0.20	14.40		
	Basic Rate	130.00					**180.98**	243.88	**44136.00**
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**243.88**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
	BS Slab Drain								
	Kuvempunagara Gutte Ganapathi		2	50.00		1.35	135.00		
	Mariyamma Temple Backside		2	60.00		1.35	162.00		
	Valmikinagara 1st Cross		2	65.00		1.35	175.50		
	Valmikinagara 2nd Cross		2	40.00		1.35	108.00		
	Basic Rate	105.00					**580.50**	111.30	**64610.00**
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	Damaged Slabs & Missing Slabs 10%		Vide Item No. 2				75.47		
	Basic Rate	700.00					**75.47**	742.00	**55995.00**
	Area Weightage @ 6%	42.00							
	Total	**742.00**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							
	Kuvempunagara Gutte Ganapathi		2x2	50.00		0.40	80.00		
	Mariyamma Temple Backside		2x2	60.00		0.40	96.00		
	Valmikinagara 1st Cross		2x2	65.00		0.40	104.00		
	Valmikinagara 2nd Cross		2x2	40.00		0.40	64.00		
	Basic Rate	924.00					**344.00**	979.44	**336927.00**
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
5	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 **Item No. 27.18 Page No. 222, PWD SR 2018-19**	cum							
	Culverts		1	5.00	2.00	0.15	1.50		
	Basic Rate	5115.00					**1.50**	5421.90	**8133.00**
	Area Weightage @ 6%	306.90							
	Total	**5421.90**							
6	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. **Page No. 255, Item No. 34.9. PWD SR 2018-19**	cum							
			2	5.00	0.60	0.90	5.40		
	Basic Rate	5483.00					**5.40**	5811.98	**31385.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
7	KSRB 15.1.3 Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
			2	5.00		0.90	9.00		
	Basic Rate	142.00					**9.00**	150.52	**1355.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
8	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved). **As per PWD SR 2018-19**	Sqm							
			8	1.50	0.60		9.00		
							9.00	5418.00	**48762.00**
9	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved). **As per PWD SR 2018-19**	Sqm							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Kuvempunagara Gutte Ganapathi		2	50.00	0.90		90.00		
	Mariyamma Temple Backside		2	60.00	0.90		108.00		
	Valmikinagara 1st Cross		2	65.00	0.90		117.00		
	Valmikinagara 2nd Cross		2	40.00	0.90		72.00		
							387.00	2337.00	**904419.00**
10	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page. No. 255 / Item No.34.11 of PWD SR 2018-19**	cum							
	Culvert Coping		1	5.00	1.50	0.10	0.75		
	Ramp		2x1	5.00	1.00	0.15	1.50		
	Vent Concrete								
	Kuvempunagara Gutte Ganapathi		2	50.00	0.45	0.10	4.50		
	Mariyamma Temple Backside		2	60.00	0.45	0.10	5.40		
	Valmikinagara 1st Cross		2	65.00	0.45	0.10	5.85		
	Valmikinagara 2nd Cross		2	40.00	0.45	0.10	3.60		
	Coping								
	Kuvempunagara Gutte Ganapathi		2x2	50.00	0.20	0.10	4.00		
	Mariyamma Temple Backside		2x2	60.00	0.20	0.10	4.80		
	Valmikinagara 1st Cross		2x2	65.00	0.20	0.10	5.20		
	Valmikinagara 2nd Cross		2x2	40.00	0.20	0.10	3.20		
	Ramp								
	Kuvempunagara Gutte Ganapathi		2	50.00	0.30	0.10	3.00		
	Mariyamma Temple Backside		2	60.00	0.30	0.10	3.60		
	Valmikinagara 1st Cross		2	65.00	0.30	0.10	3.90		
	Valmikinagara 2nd Cross		2	40.00	0.30	0.10	2.40		
	Basic Rate	5283.00					**51.70**	5599.98	**289519.00**
	Area Weightage @ 6%	316.98							
	Total	**5599.98**							
	Sub Total								**1785241.00**
	GST @ 12%								**214229.00**
	Miscellaneous and other Charges	L/S							**530.00**
								Total	**2000000.00**
Rupees Twenty Lakh(s) Only									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under 2019-20 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

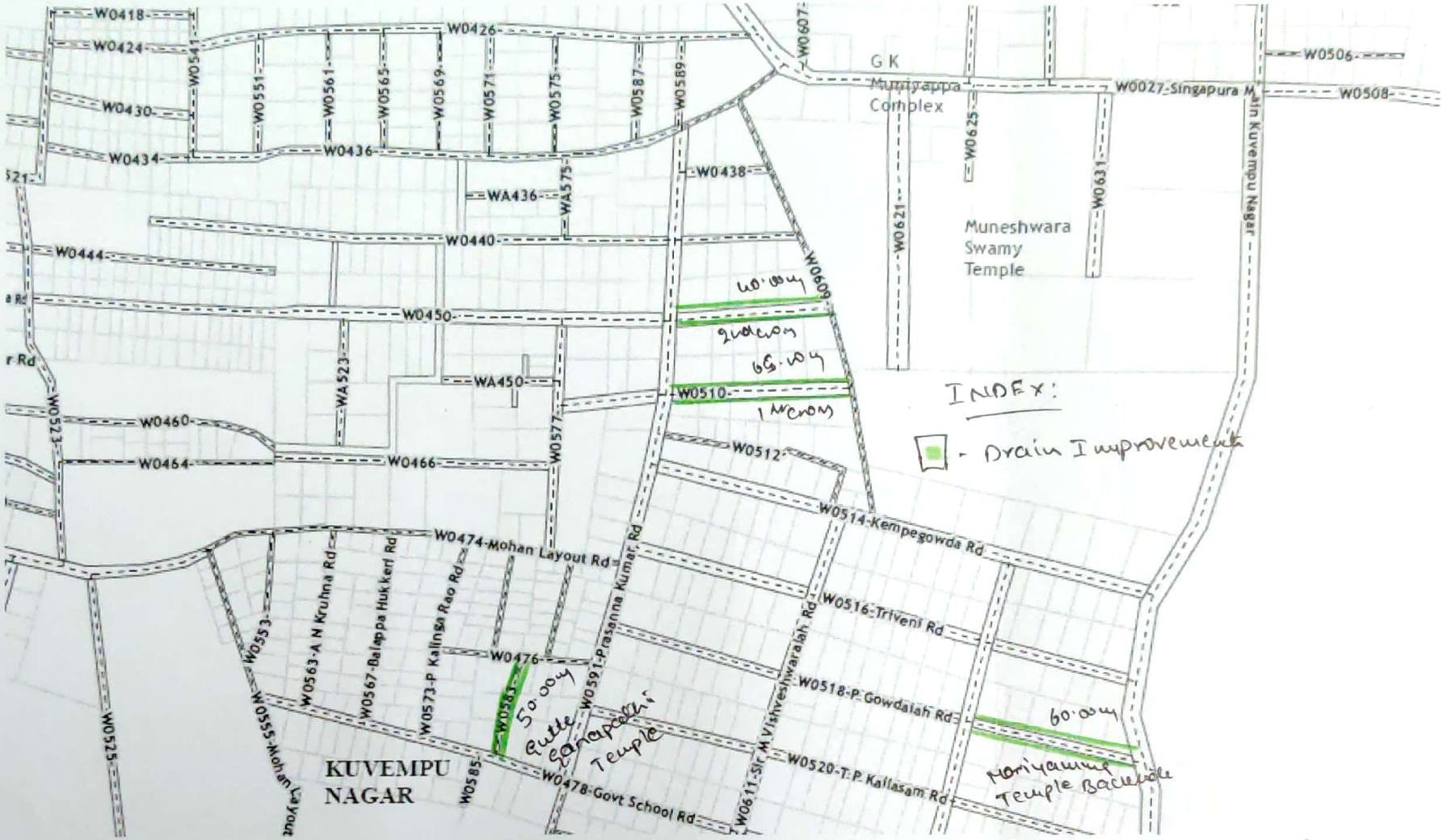
Administrative Approval
Accorded For Rs. 20.00 Lakhs
Head of A/C P-1771
CER NO : AS/124 Dt: 20/03/2020
21/04

CE (YNK)

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

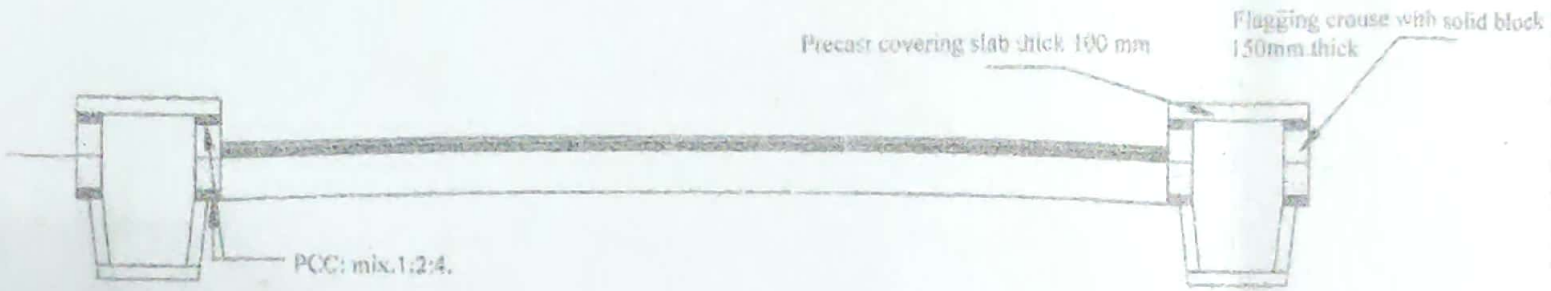
TECHNICAL SANCTION
21/04
Accorded For Rs. 20.00 Lakhs only
Head of A/c P1771. POW work
Div. Ref. No. 61/A Date 24/4/2020
EE(BTP) 24/4
AE

Name of Work: Improvements Roads, Drains and Providing Covering Slabs at Hosabalunagar, Kuvempunagara 1st & 2nd Stage in Ward No.11 (Kuvempunagara) in Vidyaranyapura Sub Division.



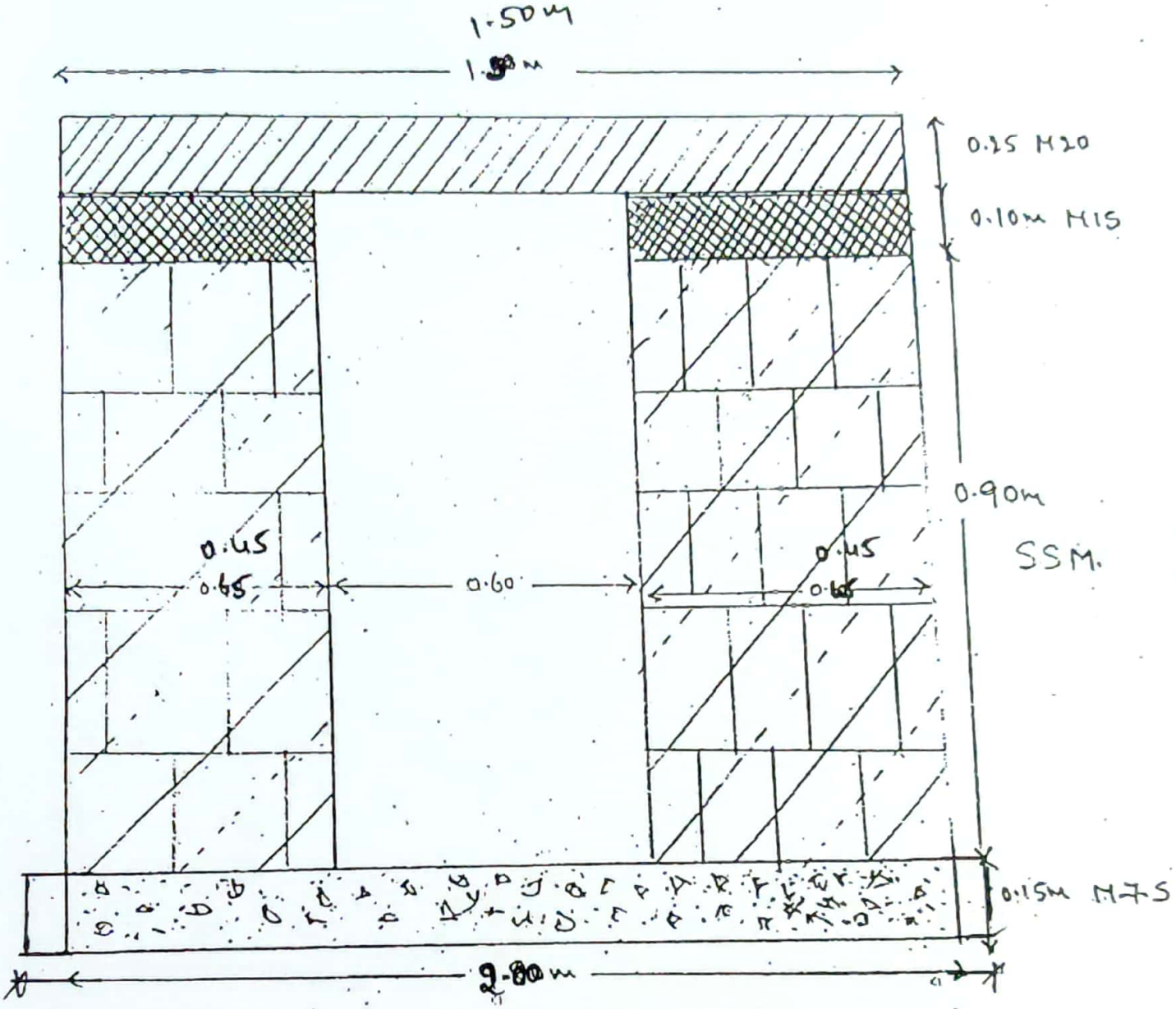
Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division



CROSS SECTION OF SOLID BLOCK FLAGGING COURCE OVER B S SLAB DRAIN.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97



CROSS SECTION OF CULVERT

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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152 - BYATARAYANAPURA AC
WARD NAME : 11 - KUVEMPU NAGAR